

**PATTERSON &  
SHERIDAN, LLP**  
ATTORNEYS AT LAW

**RECEIVED  
CENTRAL FAX CENTER  
DEC 02 2005**

3040 Post Oak Blvd, Suite 1500  
Houston, TX 77056-6582  
TEL 713.623.4844  
FAX 713.623.4846

## FACSIMILE COVER SHEET

**DATE:** December 2, 2005  
**FILE NO:** APPM/008241/PPC/ECP/CKIM  
**TO:** Mail Stop AF, Commissioner for Patent  
Examiner Edna Wong  
**FAX NO:** 571-273-8300  
**COMPANY:** USPTO  
**FROM:** John-Paul Cherry  
**PAGE(S) with cover:** 15  
**ORIGINAL TO  
FOLLOW?** ☐ YES ☒ NO

### RESPONSE TO FINAL OFFICE ACTION DATED OCTOBER 4, 2005

**TITLE:** Multiple-Step Electrodeposition Process for Direct Copper  
Plating on Barrier Metals  
**U.S. SERIAL NO.:** 10-616/097  
**FILING DATE:** July 8, 2003  
**INVENTOR:** Sun et al.  
**EXAMINER:** Edna Wong  
**GROUP ART UNIT:** 1753  
**CONFIRMATION NO.:** 1645

### CONFIDENTIALITY NOTE

The document accompanying this facsimile transmission contains information from the law firm of Patterson & Sheridan, L.L.P. which is confidential or privileged. The information is intended to be for the use of the individual or entity named on this transmission sheet. If you are not the intended recipient, be aware that any disclosure, copying, distribution or use of the contents of this faxed information is prohibited. If you have received this facsimile in error, please notify us by telephone immediately so that we can arrange for the retrieval of the original documents at no cost to you.

416338\_1.DOC

PATENT

Atty. Dkt. No. APPM008241/PPC/ECP/CKIM

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:  
Sun et al.

Serial No.: 10/616,097

Confirmation No.: 1645

Filed: July 8, 2003

For: Multiple-Step  
Electrodeposition Process  
for Direct Copper Plating  
on Barrier Metals

Group Art Unit: 1753

Examiner: Edna Wong

RECEIVED  
CENTRAL FAX CENTER  
DEC 02 2005

MAIL STOP AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

CERTIFICATE OF FACSIMILE  
TRANSMISSION UNDER 37 CFR 1.8

I hereby certify that this correspondence and the documents referred to as attached therein are being facsimile transmitted to the U.S. Patent and Trademark Office to the fax number indicated by the Examiner, namely, fax number 571.273.8300 to the attention of the named Examiner, on the date below.

December 2, 2005  
Date

  
Signature

Dear Sir:

## RESPONSE TO FINAL OFFICE ACTION DATED OCTOBER 4, 2005

In response to the Final Office Action dated October 4, 2005, having a shortened statutory period for response set to expire on January 4, 2006, please enter this response and reconsider the claims pending in the application for reasons discussed below. Although the Applicant believes that no additional fees are due in connection with this response, the Commissioner is hereby authorized to charge counsel's Deposit Account No. 20-0782/APP/008241/KMT, for any fees, including extension of time fees or excess claim fees, required to make this response timely and acceptable to the Office.

**Amendments to the Claims** begin on page 2 of this paper. **Remarks** begin on page 8 of this paper.

Page 1